Subject Index

Admixtures

Volume and Strength of a Dolos, Harshkumar C. Desai, WW Nov. 86 p667-668.

Air temperature

St. Lawrence River Freeze-Up Forecast, Edward P. Foltyn and Hung Tao Shen, WW July 86 p467-481.

Air water interactions

Wind Stress at Air-Water Interface, Bijan Safaie, WW May 84 p287-293.

Algorithms

Dynamic Behavior of Deep-Ocean Pipeline, M. Zimmerman, Robert Hudspeth, J. Leonard, J. Tedesco and L. Borgman, WW Mar. 86 p183-199.

Arctic engineering

Thermoerosion of Frozen Sediment Under Wave Action, Nobuhisa Kobayashi and Demet Aktan, WW Feb. 86 p140-158.

Armor units

Armor Layer Stability of Rubble-Mound Breakwaters, Per Anders Hedar, WW May 86 p343-350.

Riprap Stability Under Wave Action, Nobuhisa Kobayashi and Brian K. Jacobs, WW May 85 p552-566.

Use of Grout-Filled Sausages in Coastal Structures, Richard Silvester, WW Feb. 86 p95-114.

Artificial islands

Overload Bore Propagation Due to an Overtopping Wave, Jack C. Cox and Jerry Machemehl, WW Feb. 86 p161-163.

Barges

Estimating the Resistance of a 5 × 3 Barge Tow Moving in Shallow Water, R. Latorre and C. Warinner, WW July 86 p531-535.

Wave Interactions between Barges, P. Sayer and H. K. Liang, WW May 86 p402-417.

Barrier islands

Tidal Circulation in North Biscayne Bay, John D. Wang and Jacobus van de Kreeke, WW Nov. 86 p615-631.

Basins

Engineering Model for Well-Mixed Tidal Basin, A. Roy Halliwell, WW Sept. 86 p572-590.

Beach nourishment

Artificial Beach Nourishment on Belgian East Coast, Pierre Kerckaert, Paul P. L. Roovers, Ahrend Noordam and Paul De Candt, WW Sept. 86 p560-571.

Bluff Recession Rates in Chesapeake Bay, Robert A. Dalrymple, Robert B. Biggs, Robert G. Dean and Hsiang Wang, WW Feb. 86 p164-168.

Economics of Beach Nourishment under Scenario of Rising Sea Level, J. Richard Weggel, WW May 86 p418-426.

Beaches

Results of Cross-Shore Transport Experiments, Richard J. Seymour, WW Feb. 86 p168-173.

Bed ripples

Water Waves Over Ripples, Robert A. Dalrymple and James T. Kirby, WW Mar. 86 p309-319.

Belgium

Artificial Beach Nourishment on Belgian East Coast, Pierre Kerckaert, Paul P. L. Roovers, Ahrend Noordam and Paul De Candt, WW Sept. 86 p560-571.

Bluffs

Bluff Recession Rates in Chesapeake Bay, Robert A. Dalrymple, Robert B. Biggs, Robert G. Dean and Hsiang Wang, WW Feb. 86 p164-168.

Boundary conditions

Open Boundary Condition in Parabolic Equation Method, James T. Kirby, WW May 86 p460-465.

Boundary element method

Water Waves Over Ripples, Robert A. Dalrymple and James T. Kirby, WW Mar. 86 p309-319.

Boundary layer

Viscous Effects on Evolution of Stokes Waves, Philip L.-F. Liu, WW Feb. 86 p55-63.

Boundary shear

Suspended Sediment in the Surf Zone, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW Feb. 86 p115-128.

Breaking waves

Modeling Waves in Surfzones and Around Islands, James T. Kirby and Robert A. Dalrymple, WW Feb. 86 p78-93.

Breakwaters

Diffraction Patterns Near Narrow Breakwater Gap, Rodney J. Sobey and Thomas L. Johnson, WW July 86 p512-528.

Riprap Stability Under Wave Action, Nobuhisa Kobayashi and Brian K. Jacobs, WW May 85 p552-566.

Use of Grout-Fille l Sausages in Coastal Structures, Richard Silvester, WW Feb. 86 p95-114.

Volume and Strength of a Dolos, Harshkumar C. Desai, WW Nov. 86 p667-668.

Wave Reflection from Energy Dissipation Region, Philip L.-F. Liu, Sung B. Yoon and Robert A. Dalrymple, WW Nov. 86 p632-644.

Wave Statistical Uncertainties and Design of Breakwater, Bernard Le Mehaute and Shen Wang, WW Sept. 85 p921-938.

Brines

Measurement of Brine Jet Height and Dilution,

McLellan and Robert E. Randall, WW Mar. 86 p200-216.

Caissons

Design Method for Predicting Wave Forces on Rectangular Caissons, M. Rahman and I. C. Chakravartty, WW Nov. 86 p661-666.

Dynamic Response of a Caisson Plate to Wave Impact, M. Salih Kirkgoz and Yalcin Mengi, WW Mar. 86 p284-295.

Canals

Estimating the Resistance of a 5 × 3 Barge Tow Moving in Shallow Water, R. Latorre and C. Warinner, WW July 86 p531-535.

Inland Waterway Navigation Project Design, Bruce L. McCartney, WW Nov. 86 p645-657.

Caverns

Measurement of Brine Jet Height and Dilution, McLellan and Robert E. Randall, WW Mar. 86 p200-216.

Cements

Use of Grout-Filled Sausages in Coastal Structures, Richard Silvester, WW Feb. 86 p95-114.

Channel design

Ship Simulation Models: An Aid to Harbor Design, R. P. Dallinga, T. Elzinga and R. H. M. Huijsmans, WW Mar. 86 p255-268.

Channel stabilization

River Response to Dredging, Peter F. Lagasse, WW Feb. 86 p1-14.

Channels, waterways

River Response to Dredging, Peter F. Lagasse, WW Feb. 86 p1-14.

Sedimentation of Dredged Channels by Currents and Waves, Leo C. van Rijn, WW Sept. 86 p541-559.

Wave Interaction with a Rectangular Trench, Francis C. K. Ting and Fredric Raichlen, WW May 86 p454-460.

Circulation

Tidal Circulation in North Biscayne Bay, John D. Wang and Jacobus van de Kreeke, WW Nov. 86 p615-631.

Coastal morphology

Artificial Beach Nourishment on Belgian East Coast, Pierre Kerckaert, Paul P. L. Roovers, Ahrend Noordam and Paul De Candt, WW Sept. 86 p560-571.

Coastal structures

Economics of Beach Nourishment under Scenario of Rising Sea Level, J. Richard Weggel, WW May 86 p418-426.

Collisions

Collision of a Large Floating Ice Feature with a Massive Offshore Structure, Eugene M. Gershunov, WW May 86 p390-401.

Computerized simulation

Computer Simulation of Moored Ship Behavior, G. van Oortmerssen, J. A. Pinkster and H. J. J. van den Boom, WW Mar. 86 p296-308.

Concrete, reinforced

Volume and Strength of a Dolos, Harshkumar C. Desai, WW Nov. 86 p667-668.

Confidence limit

The Probability Distribution of Spectral Integrals, Ian R. Young, WW Mar. 86 p338-341.

Cylinders

Turbulent Separation Around Cylinders in Waves, Jorgen Fredsoe and Peter Justesen, WW Mar. 86 p217-233.

Deep water

Design of Jackets in Deeper Gulf of Mexico Waters, Demir I. Karsan, WW May 86 p427-446.

Design

Design of Jackets in Deeper Gulf of Mexico Waters, Demir I. Karsan, WW May 86 p427-446.

Design waves

Wave Statistical Uncertainties and Design of Breakwater, Bernard Le Mehaute and Shen Wang, WW Sept. 85 p921-938.

Dredging

Hydraulic Model Studies for Suction Cutterheads, Shashikant B. Brahme and John B. Herbich, WW Sept. 86 p591-606.

River Response to Dredging, Peter F. Lagasse, WW Feb. 86 p1-14.

Sedimentation of Dredged Channels by Currents and Waves, Leo C. van Rijn, WW Sept. 86 p541-559.

Dynamic characteristics

Design of Jackets in Deeper Gulf of Mexico Waters, Demir I. Karsan, WW May 86 p427-446.

Dynamic response

Dynamic Response of a Caisson Plate to Wave Impact, M. Salih Kirkgoz and Yalcin Mengi, WW Mar. 86 p284-295.

Economic analysis

Economics of Beach Nourishment under Scenario of Rising Sea Level, J. Richard Weggel, WW May 86 p418-426.

Eddies

Modeling Tidal Circulation in an Island's Wake, Roger A. Falconer, Eric Wolanski and Lida Mardapitta-Hadjipandeli, WW Mar. 86 p234-254.

Energy dissipation

Wave Reflection from Energy Dissipation Region, Philip L.-F. Liu, Sung B. Yoon and Robert A. Dalrymple, WW Nov. 86 p632-644.

Erosion

Bluff Recession Rates in Chesapeake Bay, Robert

A. Dalrymple, Robert B. Biggs, Robert G. Dean and Hsiang Wang, WW Feb. 86 p164-168.

Thermoerosion of Frozen Sediment Under Wave Action, Nobuhisa Kobayashi and Demet Aktan, WW Feb. 86 p140-158.

Estuaries

Engineering Model for Well-Mixed Tidal Basin, A. Roy Halliwell, WW Sept. 86 p572-590.

Field tests

Results of Cross-Shore Transport Experiments, Richard J. Seymour, WW Feb. 86 p168-173.

Floating ice

Collision of a Large Floating Ice Feature with a Massive Offshore Structure, Eugene M. Gershunov, WW May 86 p390-401.

Floating structures

Computer Simulation of Moored Ship Behavior, G. van Oortmerssen, J. A. Pinkster and H. J. J. van den Boom, WW Mar. 86 p296-308.

Directional Wave Effects on Large Offshore Structures, Michael de St. Q. Isaacson and Sanjay Sinha, WW July 86 p482-497.

Floes

Collision of a Large Floating Ice Feature with a Massive Offshore Structure, Eugene M. Gershunov, WW May 86 p390-401.

Flow rates

St. Lawrence River Freeze-Up Forecast, Edward P. Foltyn and Hung Tao Shen, WW July 86 p467-481.

Flumes

Water Particle Velocities in Regular Waves, Geoffrey N. Bullock and Ian Short, WW Mar. 85 p189-200.

Freezing

St. Lawrence River Freeze-Up Forecast, Edward P. Foltyn and Hung Tao Shen, WW July 86 p467-481.

Harbors

Water Quality Simulation Study of a Natural Harbor, Roger A. Falconer, WW Feb. 86 p15-34.

Height

Bluff Recession Rates in Chesapeake Bay, Robert A. Dalrymple, Robert B. Biggs, Robert G. Dean and Hsiang Wang, WW Feb. 86 p164-168.

Hurricanes

Hurricane Wind Waves—A Discrete Spectral Model, Rodney J. Sobey and Ian R. Young, WW May 86 p370-389.

Hydraulic models

Hydraulic Model Studies for Suction Cutterheads, Shashikant B. Brahme and John B. Herbich, WW Sept. 86 p591-606.

Hydrodynamics

Dynamic Behavior of Deep-Ocean Pipeline, M. Zimmerman, Robert Hudspeth, J. Leonard, J. Tedesco and L. Borgman, WW Mar. 86 p183-199.

Modeling Tidal Circulation in an Island's Wake, Roger A. Falconer, Eric Wolanski and Lida Mardapitta-Hadjipandeli, WW Mar. 86 p234-254.

Water Quality Simulation Study of a Natural Harbor, Roger A. Falconer, WW Feb. 86 p15-34.

Ice

Thermoerosion of Frozen Sediment Under Wave Action, Nobuhisa Kobayashi and Demet Aktan, WW Feb. 86 p140-158.

Ice formation

St. Lawrence River Freeze-Up Forecast, Edward P. Foltyn and Hung Tao Shen, WW July 86 p467-481.

Ice loads

Collision of a Large Floating Ice Feature with a Massive Offshore Structure, Eugene M. Gershunov, WW May 86 p390-401.

Icebergs

Collision of a Large Floating Ice Feature with a Massive Offshore Structure, Eugene M. Gershunov, WW May 86 p390-401.

Impact

Collision of a Large Floating Ice Feature with a Massive Offshore Structure, Eugene M. Gershunov, WW May 86 p390-401.

Impact forces

Dynamic Response of a Caisson Plate to Wave Impact, M. Salih Kirkgoz and Yalcin Mengi, WW Mar. 86 p284-295.

Inland waterways

Inland Waterway Navigation Project Design, Bruce L. McCartney, WW Nov. 86 p645-657.

Integral equations

Wave Interactions between Barges, P. Sayer and H. K. Liang, WW May 86 p402-417.

Interactions

Wave Interactions between Barges, P. Sayer and H. K. Liang, WW May 86 p402-417.

Islands

Modeling Tidal Circulation in an Island's Wake, Roger A. Falconer, Eric Wolanski and Lida Mardapitta-Hadjipandeli, WW Mar. 86 p234-254.

Jet diffusion

Measurement of Brine Jet Height and Dilution, McLellan and Robert E. Randall, WW Mar. 86 p200-216.

Lagoons

Tidal Circulation in North Biscayne Bay, John D. Wang and Jacobus van de Kreeke, WW Nov. 86 p615-631.

Littoral drift

Bluff Recession Rates in Chesapeake Bay, Robert

A. Dalrymple, Robert B. Biggs, Robert G. Dean and Hsiang Wang, WW Feb. 86 p164-168.

Mathematical Model for Littoral Drift, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW May 86 p351-369.

Mass transport

Water Particle Velocities in Regular Waves, Geoffrey N. Bullock and Ian Short, WW Mar. 85 p189-200.

Mathematical models

Computer Simulation of Moored Ship Behavior, G. van Oortmerssen, J. A. Pinkster and H. J. J. van den Boom, WW Mar. 86 p296-308.

Mathematical Model for Littoral Drift, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW May 86 p351-369.

Modeling Tidal Circulation in an Island's Wake, Roger A. Falconer, Eric Wolanski and Lida Mardapitta-Hadjipandeli, WW Mar. 86 p234-254.

Membranes

Use of Grout-Filled Sausages in Coastal Structures, Richard Silvester, WW Feb. 86 p95-114.

Mississippi River

River Response to Dredging, Peter F. Lagasse, WW Feb. 86 p1-14.

Monitoring

Artificial Beach Nourishment on Belgian East Coast, Pierre Kerckaert, Paul P. L. Roovers, Ahrend Noordam and Paul De Candt, WW Sept. 86 p560-571.

Mooring

Computer Simulation of Moored Ship Behavior, G. van Oortmerssen, J. A. Pinkster and H. J. J. van den Boom, WW Mar. 86 p296-308.

Navigation

Inland Waterway Navigation Project Design, Bruce L. McCartney, WW Nov. 86 p645-657.

Navigation dams

Inland Waterway Navigation Project Design, Bruce L. McCartney, WW Nov. 86 p645-657.

Numerical models

Modeling Waves in Surfzones and Around Islands, James T. Kirby and Robert A. Dalrymple, WW Feb. 86 p78-93.

Tidal Circulation in North Biscayne Bay, John D. Wang and Jacobus van de Kreeke, WW Nov. 86 p615-631.

Ocean waves

On the Highest Periodic Short-Crested Wave, Bernard Le Mehaute, WW Mar. 86 p320-330.

Offshore engineering

Computer Simulation of Moored Ship Behavior, G. van Oortmerssen, J. A. Pinkster and H. J. J. van den Boom, WW Mar. 86 p296-308.

Offshore pipeline

Dynamic Behavior of Deep-Ocean Pipeline, M. Zimmerman, Robert Hudspeth, J. Leonard, J. Tedesco and L. Borgman, WW Mar. 86 p183-199.

Offshore platforms

Wave Forces on an Offshore Gravity Platform, Subrata K. Chakrabarti, WW Mar. 86 p269-283.

Offshore structures

Collision of a Large Floating Ice Feature with a Massive Offshore Structure, Eugene M. Gershunov, WW May 86 p390-401.

Design of Jackets in Deeper Gulf of Mexico Waters, Demir I. Karsan, WW May 86 p427-446.

Directional Wave Effects on Large Offshore Structures, Michael de St. Q. Isaacson and Sanjay Sinha, WW July 86 p482-497.

Oil storage

Measurement of Brine Jet Height and Dilution, McLellan and Robert E. Randall, WW Mar. 86 p200-216.

Overtopping

Overload Bore Propagation Due to an Overtopping Wave, Jack C. Cox and Jerry Machemehl, WW Feb. 86 p161-163.

Particles

Water Particle Velocities in Regular Waves, Geoffrey N. Bullock and Ian Short, WW Mar. 85 p189-200.

Permeability

Armor Layer Stability of Rubble-Mound Breakwaters, Per Anders Hedar, WW May 86 p343-350.

Pipeline design

Dynamic Behavior of Deep-Ocean Pipeline, M. Zimmerman, Robert Hudspeth, J. Leonard, J. Tedesco and L. Borgman, WW Mar. 86 p183-199.

Plates

Dynamic Response of a Caisson Plate to Wave Impact, M. Salih Kirkgoz and Yalcin Mengi, WW Mar. 86 p284-295.

Pore water pressure

Wave Propagation Over a Sediment Trench, Philip L.- F. Liu, Brian R. Turcotte and Fred H. Kulhawy, WW Feb. 86 p64-77.

Ports

Ship Simulation Models: An Aid to Harbor Design, R. P. Dallinga, T. Elzinga and R. H. M. Huijsmans, WW Mar. 86 p255-268.

Predictions

Hurricane Wind Waves—A Discrete Spectral Model, Rodney J. Sobey and Ian R. Young, WW May 86 p370-389.

Probabilistic methods

Ship Simulation Models: An Aid to Harbor Design,

R. P. Dallinga, T. Elzinga and R. H. M. Huijsmans, WW Mar. 86 p255-268.

Probability distribution

The Probability Distribution of Spectral Integrals, Ian R. Young, WW Mar. 86 p338-341.

Progressive waves

Wave Numbers of Linear Progressive Waves, Chung-Shang Wu and E. B. Thornton, WW July 86 p536-540.

Random waves

Dynamic Behavior of Deep-Ocean Pipeline, M. Zimmerman, Robert Hudspeth, J. Leonard, J. Tedesco and L. Borgman, WW Mar. 86 p183-199.

Rectangular cross section

Design Method for Predicting Wave Forces on Rectangular Caissons, M. Rahman and I. C. Chakravartty, WW Nov. 86 p661-666.

Resistance

Estimating the Resistance of a 5 × 3 Barge Tow Moving in Shallow Water, R. Latorre and C. Warinner, WW July 86 p531-535.

Revetments

Riprap Stability Under Wave Action, Nobuhisa Kobayashi and Brian K. Jacobs, WW May 85 p552-566.

Riprap

Riprap Stability Under Wave Action, Nobuhisa Kobayashi and Brian K. Jacobs, WW May 85 p552-566.

River regulation

River Response to Dredging, Peter F. Lagasse, WW Feb. 86 p1-14.

Rubble-mound breakwaters

Armor Layer Stability of Rubble-Mound Breakwaters, Per Anders Hedar, WW May 86 p343-350.

Salinity

Engineering Model for Well-Mixed Tidal Basin, A. Roy Halliwell, WW Sept. 86 p572-590.

Salt domes

Measurement of Brine Jet Height and Dilution, McLellan and Robert E. Randall, WW Mar. 86 p200-216.

Salt water-freshwater interfaces

Engineering Model for Well-Mixed Tidal Basin, A. Roy Halliwell, WW Sept. 86 p572-590.

Sea level

Economics of Beach Nourishment under Scenario of Rising Sea Level, J. Richard Weggel, WW May 86 p418-426.

Sediment

Thermoerosion of Frozen Sediment Under Wave Action, Nobuhisa Kobayashi and Demet Aktan, WW Feb. 86 p140-158.

Sediment concentration

Profile of Suspended Sediment Due to Wave Action, Suphat Vongvisessomjai, WW Feb. 86 p35-53.

Sediment deposits

Wave Propagation Over a Sediment Trench, Philip L.- F. Liu, Brian R. Turcotte and Fred H. Kulhawy, WW Feb. 86 p64-77.

Sediment transport

Engineering Model for Well-Mixed Tidal Basin, A. Roy Halliwell, WW Sept. 86 p572-590.

Mathematical Model for Littoral Drift, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW May 86 p351-369.

Profile of Suspended Sediment Due to Wave Action, Suphat Vongvisessomjai, WW Feb. 86 p35-53.

Results of Cross-Shore Transport Experiments, Richard J. Seymour, WW Feb. 86 p168-173.

Sedimentation of Dredged Channels by Currents and Waves, Leo C. van Rijn, WW Sept. 86 p541-559.

Sedimentation

Sedimentation of Dredged Channels by Currents and Waves, Leo C. van Rijn, WW Sept. 86 p541-559.

Shallow water

Determination of the Angle of Wave Approach in Shallow Water, Douglas J. Sherman and Brian Greenwood, WW Feb. 86 p129-139.

Estimating the Resistance of a 5 × 3 Barge Tow Moving in Shallow Water, R. Latorre and C. Warinner, WW July 86 p531-535.

Shear stress

Wind Stress at Air-Water Interface, Bijan Safaie, WW May 84 p287-293.

Ship motion

Computer Simulation of Moored Ship Behavior, G. van Oortmerssen, J. A. Pinkster and H. J. J. van den Boom, WW Mar. 86 p296-308.

Ship Simulation Models: An Aid to Harbor Design, R. P. Dallinga, T. Elzinga and R. H. M. Huijsmans, WW Mar. 86 p255-268.

Simulation models

Ship Simulation Models: An Aid to Harbor Design, R. P. Dallinga, T. Elzinga and R. H. M. Huijsmans, WW Mar. 86 p255-268.

Water Quality Simulation Study of a Natural Harbor, Roger A. Falconer, WW Feb. 86 p15-34.

Spectral analysis

Wave Numbers of Linear Progressive Waves, Chung-Shang Wu and E. B. Thornton, WW July 86 p536-540.

St. Lawrence River

St. Lawrence River Freeze-Up Forecast, Edward P. Foltyn and Hung Tao Shen, WW July 86 p467-481.

Stability

Armor Layer Stability of Rubble-Mound Breakwaters, Per Anders Hedar, WW May 86 p343-350.

Riprap Stability Under Wave Action, Nobuhisa Kobayashi and Brian K. Jacobs, WW May 85 p552-566.

Stoke's law

On the Highest Periodic Short-Crested Wave, Bernard Le Mehaute, WW Mar. 86 p320-330.

Water Particle Velocities in Regular Waves, Geoffrey N. Bullock and Ian Short, WW Mar. 85 p189-200.

Stream function

Nonuniqueness in Stream Function Wave Theory, Robert A. Dalrymple and Pedro Solana, WW Mar. 86 p333-337.

Surf zone

Modeling Waves in Surfzones and Around Islands, James T. Kirby and Robert A. Dalrymple, WW Feb. 86 p78-93.

Suspended Sediment in the Surf Zone, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW Feb. 86 p115-128.

Surf-zone

Mathematical Model for Littoral Drift, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW May 86 p351-369.

Suspended sediments

Hydraulic Model Studies for Suction Cutterheads, Shashikant B. Brahme and John B. Herbich, WW Sept. 86 p591-606.

Profile of Suspended Sediment Due to Wave Action, Suphat Vongvisessomjai, WW Feb. 86 p35-53.

Suspended Sediment in the Surf Zone, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW Feb. 86 p115-128.

Temperature effects

Thermoerosion of Frozen Sediment Under Wave Action, Nobuhisa Kobayashi and Demet Aktan, WW Feb. 86 p140-158.

Three-dimensional analysis

Dynamic Behavior of Deep-Ocean Pipeline, M. Zimmerman, Robert Hudspeth, J. Leonard, J. Tedesco and L. Borgman, WW Mar. 86 p183-199.

Tidal currents

Modeling Tidal Circulation in an Island's Wake, Roger A. Falconer, Eric Wolanski and Lida Mardapitta-Hadjipandeli, WW Mar. 86 p234-254.

Tidal Circulation in North Biscayne Bay, John D. Wang and Jacobus van de Kreeke, WW Nov. 86 p615-631.

Towing

Estimating the Resistance of a 5 × 3 Barge Tow Moving in Shallow Water, R. Latorre and C. Warinner, WW July 86 p531-535.

Trenches

Wave Interaction with a Rectangular Trench, Francis C. K. Ting and Fredric Raichlen, WW May 86 p454-460.

Wave Propagation Over a Sediment Trench, Philip L.-F. Liu, Brian R. Turcotte and Fred H. Kulhawy, WW Feb. 86 p64-77.

Turbidity

Hydraulic Model Studies for Suction Cutterheads, Shashikant B. Brahme and John B. Herbich, WW Sept. 86 p591-606.

Turbulence

Suspended Sediment in the Surf Zone, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW Feb. 86 p115-128.

Turbulent boundary layer

Turbulent Separation Around Cylinders in Waves, Jorgen Fredsoe and Peter Justesen, WW Mar. 86 p217-233.

Velocity

Water Particle Velocities in Regular Waves, Geoffrey N. Bullock and Ian Short, WW Mar. 85 p189-200.

Viscosity

Viscous Effects on Evolution of Stokes Waves, Philip L.-F. Liu, WW Feb. 86 p55-63.

Wakes

Modeling Tidal Circulation in an Island's Wake, Roger A. Falconer, Eric Wolanski and Lida Mardapitta-Hadjipandeli, WW Mar. 86 p234-254.

Water

Water Particle Velocities in Regular Waves, Geoffrey N. Bullock and Ian Short, WW Mar. 85 p189-200.

Water pressure

Wave Forces on an Offshore Gravity Platform, Subrata K. Chakrabarti, WW Mar. 86 p269-283.

Water quality

Water Quality Simulation Study of a Natural Harbor, Roger A. Falconer, WW Feb. 86 p15-34.

Water temperature

St. Lawrence River Freeze-Up Forecast, Edward P. Foltyn and Hung Tao Shen, WW July 86 p467-481.

Water waves

Nonuniqueness in Stream Function Wave Theory, Robert A. Dalrymple and Pedro Solana, WW Mar. 86 p333-337.

Water Waves Over Ripples, Robert A. Dalrymple and James T. Kirby, WW Mar. 86 p309-319.

Wave Numbers of Linear Progressive Waves, Chung-Shang Wu and E. B. Thornton, WW July 86 p536-540.

Wave action

Profile of Suspended Sediment Due to Wave Action, Suphat Vongvisessomjai, WW Feb. 86 p35-53.

Riprap Stability Under Wave Action, Nobuhisa Kobayashi and Brian K. Jacobs, WW May 85 p552-566.

Thermoerosion of Frozen Sediment Under Wave Action, Nobuhisa Kobayashi and Demet Aktan, WW Feb. 86 p140-158.

Wave Interactions between Barges, P. Sayer and H. K. Liang, WW May 86 p402-417.

Wave climatology

Wave Statistical Uncertainties and Design of Breakwater, Bernard Le Mehaute and Shen Wang, WW Sept. 85 p921-938.

Wave crest

On the Highest Periodic Short-Crested Wave, Bernard Le Mehaute, WW Mar. 86 p320-330.

Polar Analysis of Short-Crested Model Waves, Leo H. Holthuijsen and Nico Booij, WW May 86 p449-453.

Wave diffraction

Diffraction Patterns Near Narrow Breakwater Gap, Rodney J. Sobey and Thomas L. Johnson, WW July 86 p512-528.

Directional Wave Effects on Large Offshore Structures, Michael de St. Q. Isaacson and Sanjay Sinha, WW July 86 p482-497.

Viscous Effects on Evolution of Stokes Waves, Philip L.-F. Liu, WW Feb. 86 p55-63.

Wave energy

Unification of Two-Parameter Energy Spectrum Models, Subrata K. Chakrabarti, WW Feb. 86 p173-176.

Wave forces

Design Method for Predicting Wave Forces on Rectangular Caissons, M. Rahman and I. C. Chakravartty, WW Nov. 86 p661-666.

Design of Jackets in Deeper Gulf of Mexico Waters, Demir I. Karsan, WW May 86 p427-446.

Directional Wave Effects on Large Offshore Structures, Michael de St. Q. Isaacson and Sanjay Sinha, WW July 86 p482-497.

Wave Forces on an Offshore Gravity Platform, Subrata K. Chakrabarti, WW Mar. 86 p269-283.

Wave groups

Wave Groupiness in a Long-Traveled Swell, K. V. Thomas, M. Baba and C. M. Harish, WW July 86 p498-511.

Wave height

Mathematical Model for Littoral Drift, Rolf Deigaard, Jorgen Fredsoe and Ida Broker Hedegaard, WW May 86 p351-369.

Modeling Waves in Surfzones and Around Islands, James T. Kirby and Robert A. Dalrymple, WW Feb. 86 p78-93.

On the Highest Periodic Short-Crested Wave, Bernard Le Mehaute, WW Mar. 86 p320-330.

The Probability Distribution of Spectral Integrals, Ian R. Young, WW Mar. 86 p338-341.

Wave Groupiness in a Long-Traveled Swell, K. V. Thomas, M. Baba and C. M. Harish, WW July 86 p498-511.

Wave Statistical Uncertainties and Design of Breakwater, Bernard Le Mehaute and Shen Wang, WW Sept. 85 p921-938.

Wave length

On the Highest Periodic Short-Crested Wave, Bernard Le Mehaute, WW Mar. 86 p320-330.

Wave measurement

Polar Analysis of Short-Crested Model Waves, Leo H. Holthuijsen and Nico Booij, WW May 86 p449-453.

Wave pressure

Dynamic Response of a Caisson Plate to Wave Impact, M. Salih Kirkgoz and Yalcin Mengi, WW Mar. 86 p284-295.

Wave propagation

Open Boundary Condition in Parabolic Equation Method, James T. Kirby, WW May 86 p460-465.

Wave Interaction with a Rectangular Trench, Francis C. K. Ting and Fredric Raichlen, WW May 86 p454-460.

Wave reflection

Wave Propagation Over a Sediment Trench, Philip L.- F. Liu, Brian R. Turcotte and Fred H. Kulhawy, WW Feb. 86 p64-77.

Wave reflections

Wave Reflection from Energy Dissipation Region, Philip L.-F. Liu, Sung B. Yoon and Robert A. Dalrymple, WW Nov. 86 p632-644.

Wave refraction

Viscous Effects on Evolution of Stokes Waves, Philip L.-F. Liu, WW Feb. 86 p55-63.

Wave Numbers of Linear Progressive Waves, Chung-Shang Wu and E. B. Thornton, WW July 86 p536-540.

Wave runup

Overload Bore Propagation Due to an Overtopping Wave, Jack C. Cox and Jerry Machemehl, WW Feb. 86 p161-163.

Wave spectra

Determination of the Angle of Wave Approach in Shallow Water, Douglas J. Sherman and Brian Greenwood, WW Feb. 86 p129-139.

Polar Analysis of Short-Crested Model Waves, Leo H. Holthuijsen and Nico Booij, WW May 86 p449-453.

The Probability Distribution of Spectral Integrals, Ian R. Young, WW Mar. 86 p338-341.

Unification of Two-Parameter Energy Spectrum Models, Subrata K. Chakrabarti, WW Feb. 86 p173-176.

Wave Groupiness in a Long-Traveled Swell, K. V.

Thomas, M. Baba and C. M. Harish, WW July 86 p498-511.

Wave tanks

Polar Analysis of Short-Crested Model Waves, Leo H. Holthuijsen and Nico Booij, WW May 86 p449-453.

Waves

Water Particle Velocities in Regular Waves, Geoffrey N. Bullock and Ian Short, WW Mar. 85 p189-200.

Weight

Armor Layer Stability of Rubble-Mound Breakwaters, Per Anders Hedar, WW May 86 p343-350.

Wind

Wind Stress at Air-Water Interface, Bijan Safaie, WW May 84 p287-293.

Wind waves

Hurricane Wind Waves—A Discrete Spectral Model, Rodney J. Sobey and Ian R. Young, WW May 86 p370-389.

Author Index

Aguilar, Jose
see Medina, Josep R., (disc), WW Sept. 86, p609-612

Aktan, Demet
see Kobayashi, Nobuhisa, WW Feb. 86, p140-158

Baba, M.
see Thomas, K. V., WW July 86, p498-511

Biggs, Robert B.
see Dalrymple, Robert A., WW Feb. 86, p164-168

Booij, Nico
see Holthuijsen, Leo H., WW May 86, p449-453

Borgman, L.
see Zimmerman, M., WW Mar. 86, p183-199

Brahme, Shashikant B.
Hydraulic Model Studies for Suction Cutterheads, with John B. Herbich, WW Sept. 86, p591-606

Bruun, P.
disc. (of Riprap Stability Under Wave Action, by Nobuhisa Kobayashi and Brian K. Jacobs, WW May 85, p552-566), WW Nov. 86, p671-673

Bullock, Geoffrey N.
Water Particle Velocities in Regular Waves, with Ian Short, WW Mar. 85, p189-200
err: WW Sept. 86, p609

Chakrabarti, Subrata K.
Unification of Two-Parameter Energy Spectrum Models, WW Feb. 86, p173-176
Wave Forces on an Offshore Gravity Platform, WW Mar. 86, p269-283

Chakravartty, I. C.
see Rahman, M., WW Nov. 86, p661-666

Cox, Jack C.
Overload Bore Propagation Due to an Overtopping Wave, with Jerry Machemehl, WW Feb. 86, p161-163

Dallinga, R. P.
Ship Simulation Models: An Aid to Harbor Design, with T. Elzinga and R. H. M. Huijsmans, WW Mar. 86, p255-268

Dalrymple, Robert A.
Bluff Recession Rates in Chesapeake Bay, with Robert B. Biggs, Robert G. Dean and Hsiang Wang, WW Feb. 86, p164-168
Nonuniqueness in Stream Function Wave Theory, with Pedro Solana, WW Mar. 86, p333-337
Water Waves Over Ripples, with James T. Kirby, WW Mar. 86, p309-319
see Kirby, James T., WW Feb. 86, p78-93
see Liu, Philip L.-F., WW Nov. 86, p632-644

De Candt, Paul
see Kerckaert, Pierre, WW Sept. 86, p560-571

Dean, Robert G.
see Dalrymple, Robert A., WW Feb. 86, p164-168

Deigaard, Rolf
Mathematical Model for Littoral Drift, with Jorgen Fredsoe and Ida Broker Hedegaard, WW May 86, p351-369
Suspended Sediment in the Surf Zone, with Jorgen Fredsoe and Ida Broker Hedegaard, WW Feb. 86, p115-128

Desai, Harshkumar C.
Volume and Strength of a Dolos, WW Nov. 86, p667-668

Elzinga, T.
see Dallinga, R. P., WW Mar. 86, p255-268

Falconer, Roger A.
Modeling Tidal Circulation in an Island's Wake, with Eric Wolanski and Lida Mardapitta-Hadjipandeli, WW Mar. 86, p234-254
Water Quality Simulation Study of a Natural Harbor, WW Feb. 86, p15-34

Foltyn, Edward P.
St. Lawrence River Freeze-Up Forecast, with Hung Tao Shen, WW July 86, p467-481

Fredsoe, Jorgen
Turbulent Separation Around Cylinders in Waves, with Peter Justesen, WW Mar. 86, p217-233
see Deigaard, Rolf, WW Feb. 86, p115-128
see Deigaard, Rolf, WW May 86, p351-369

Gershunov, Eugene M.
Collision of a Large Floating Ice Feature with a Massive Offshore Structure, WW May 86, p390-401

Greenwood, Brian
see Sherman, Douglas J., WW Feb. 86, p129-139

Halliwell, A. Roy
Engineering Model for Well-Mixed Tidal Basin, WW Sept. 86, p572-590

Harish, C. M.
see Thomas, K. V., WW July 86, p498-511

Hedar, Per Anders
Armor Layer Stability of Rubble-Mound Breakwaters, WW May 86, p343-350

Hedegaard, Ida Broker
see Deigaard, Rolf, WW Feb. 86, p115-128
see Deigaard, Rolf, WW May 86, p351-369

Herbich, John B.
see Brahme, Shashikant B., WW Sept. 86, p591-606

Holthuijsen, Leo H.
Polar Analysis of Short-Crested Model Waves, with Nico Booij, WW May 86, p449-453

Hudspeth, Robert
see Zimmerman, M., WW Mar. 86, p183-199

Huijsmans, R. H. M.
see Dallinga, R. P., WW Mar. 86, p255-268

Isaacson, Michael de St. Q.
Directional Wave Effects on Large Offshore Structures, with Sanjay Sinha, WW July 86, p482-497

Jacobs, Brian K.
see Kobayashi, Nobuhisa, WW May 85, p552-566

Johnson, Thomas L.
see Sobey, Rodney J., WW July 86, p512-528

Justesen, Peter
see Fredsoe, Jorgen, WW Mar. 86, p217-233

Karsan, Demir I.
Design of Jackets in Deeper Gulf of Mexico Waters, WW May 86, p427-446

Kerckaert, Pierre
Artificial Beach Nourishment on Belgian East Coast, with Paul P. L. Roovers, Ahrend Noordam and Paul De Candt, WW Sept. 86, p560-571

Kirby, James T.
Modeling Waves in Surfzones and Around Islands, with Robert A. Dalrymple, WW Feb. 86, p78-93
Open Boundary Condition in Parabolic Equation Method, WW May 86, p460-465
see Dalrymple, Robert A., WW Mar. 86, p309-319

Kirkgoz, M. Salih
Dynamic Response of a Caisson Plate to Wave Impact, with Yalcin Mengi, WW Mar. 86, p284-295

Kobayashi, Nobuhisa
Riprap Stability Under Wave Action, with Brian K. Jacobs, WW May 85, p552-566
disc: P. Bruun, WW Nov. 86, p671-673
clo: WW Nov. 86, p673-681
Thermoerosion of Frozen Sediment Under Wave Action, with Demet Aktan, WW Feb. 86, p140-158

Kulhawy, Fred H.
see Liu, Philip L.- F., WW Feb. 86, p64-77

Lagasse, Peter F.
River Response to Dredging, WW Feb. 86, p1-14

Latorre, R.
Estimating the Resistance of a 5 × 3 Barge Tow Moving in Shallow Water, with C. Warinner, WW July 86, p531-535

Le Mehaute, Bernard
On the Highest Periodic Short-Crested Wave, WW Mar. 86, p320-330
Wave Statistical Uncertainties and Design of Breakwater, with Shen Wang, WW Sept. 85, p921-938
disc: Josep R. Medina and Jose Aguilar, WW Sept. 86, p609-612
clo: WW Sept. 86, p612-613

Leonard, J.
see Zimmerman, M., WW Mar. 86, p183-199

Liang, H. K.
see Sayer, P., WW May 86, p402-417

Liu, Philip L.- F.
Wave Propagation Over a Sediment Trench, with Brian R. Turcotte and Fred H. Kulhawy, WW Feb. 86, p64-77
Viscous Effects on Evolution of Stokes Waves, WW Feb. 86, p55-63
Wave Reflection from Energy Dissipation Region, with Sung B. Yoon and Robert A. Dalrymple, WW Nov. 86, p632-644

McCartney, Bruce L.
Inland Waterway Navigation Project Design, WW Nov. 86, p645-657

Machemehl, Jerry
see Cox, Jack C., WW Feb. 86, p161-163

McLellan
Measurement of Brine Jet Height and Dilution, with Robert E. Randall, WW Mar. 86, p200-216

Mardapitta-Hadjipandeli, Litta
see Falconer, Roger A., WW Mar. 86, p234-254

Medina, Josep R.
disc. (of Wave Statistical Uncertainties and Design of Breakwater, by Bernard Le Mehaute and Shen Wang, WW Sept. 85, p921-938) with Jose Aguilar, WW Sept. 86, p609-612

Mengi, Yalcin
see Kirkgoz, M. Salih, WW Mar. 86, p284-295

Merzi, Nuri
disc. (of Wind Stress at Air-Water Interface, by Bijan Safaie, WW May 84, p287-293), WW Feb. 86, p179-181

Noordam, Ahrend
see Kerckaert, Pierre, WW Sept. 86, p560-571

Pinkster, J. A.
see van Oortmerssen, G., WW Mar. 86, p296-308

Rahman, M.
Design Method for Predicting Wave Forces on Rectangular Caissons, with I. C. Chakravartty, WW Nov. 86, p661-666

Raichlen, Fredric
see Ting, Francis C. K., WW May 86, p454-460

Randall, Robert E.
see McLellan, WW Mar. 86, p200-216

Roovers, Paul P. L.
see Kerckaert, Pierre, WW Sept. 86, p560-571

Safaie, Bijan
Wind Stress at Air-Water Interface, WW May 84, p287-293
disc: Nuri Merzi, WW Feb. 86, p179-181

Sayer, P.
Wave Interactions between Barges, with H. K. Liang, WW May 86, p402-417

Seymour, Richard J.
Results of Cross-Shore Transport Experiments, WW Feb. 86, p168-173

Shen, Hung Tao
see Foltyn, Edward P., WW July 86, p467-481

Sherman, Douglas J.
Determination of the Angle of Wave Approach in Shallow Water, with Brian Greenwood, WW Feb. 86, p129-139

Short, Ian
see Bullock, Geoffrey N., WW Mar. 85, p189-200

Silvester, Richard
Use of Grout-Filled Sausages in Coastal Structures, WW Feb. 86, p95-114

Sinha, Sanjay
see Isaacson, Michael de St. Q., WW July 86, p482-497

Sobey, Rodney J.
Diffraction Patterns Near Narrow Breakwater Gap,

with Thomas L. Johnson, WW July 86, p512-528
Hurricane Wind Waves—A Discrete Spectral Model, with Ian R. Young, WW May 86, p370-389

Solana, Pedro
see Dalrymple, Robert A., WW Mar. 86, p333-337

Tedesco, J.
see Zimmerman, M., WW Mar. 86, p183-199

Thomas, K. V.
Wave Groupiness in a Long-Traveled Swell, with M. Baba and C. M. Harish, WW July 86, p498-511

Thornton, E. B.
see Wu, Chung-Shang, WW July 86, p536-540

Ting, Francis C. K.
Wave Interaction with a Rectangular Trench, with Fredric Raichlen, WW May 86, p454-460

Turcotte, Brian R.
see Liu, Philip L.- F., WW Feb. 86, p64-77

van de Kreeke, Jacobus
see Wang, John D., WW Nov. 86, p615-631

van den Boom, H. J. J.
see van Oortmerssen, G., WW Mar. 86, p296-308

van Oortmerssen, G.
Computer Simulation of Moored Ship Behavior, with J. A. Pinkster and H. J. J. van den Boom, WW Mar. 86, p296-308

van Rijn, Leo C.
Sedimentation of Dredged Channels by Currents and Waves, WW Sept. 86, p541-559

Vongvisessomjai, Suphat
Profile of Suspended Sediment Due to Wave Action, WW Feb. 86, p35-53

Wang, Hsiang
see Dalrymple, Robert A., WW Feb. 86, p164-168

Wang, John D.
Tidal Circulation in North Biscayne Bay, with Jacobus van de Kreeke, WW Nov. 86, p615-631

Wang, Shen
see Le Mehaute, Bernard, WW Sept. 85, p921-938

Warinner, C.
see Latorre, R., WW July 86, p531-535

Weggel, J. Richard
Economics of Beach Nourishment under Scenario of Rising Sea Level, WW May 86, p418-426

Wolanski, Eric
see Falconer, Roger A., WW Mar. 86, p234-254

Wu, Chung-Shang
Wave Numbers of Linear Progressive Waves, with E. B. Thornton, WW July 86, p536-540

Yoon, Sung B.
see Liu, Philip L.-F., WW Nov. 86, p632-644

Young, Ian R.
The Probability Distribution of Spectral Integrals, WW Mar. 86, p338-341
see Sobey, Rodney J., WW May 86, p370-389

Zimmerman, M.
Dynamic Behavior of Deep-Ocean Pipeline, with Robert Hudspeth, J. Leonard, J. Tedesco and L. Borgman, WW Mar. 86, p183-199